

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A wearable system arranged for enabling a bioelectrical interaction with an individual when being brought into contact with the individual's skin, said system comprising a carrier including a first side and a second side, an electronic device arranged to be mounted on the carrier, said electronic device comprising electrodes arranged to carry out said interaction, wherein said electrodes are suitably shaped to enable a fixation of the electrodes on the carrier and at least a portion of each electrode extends through the carrier from the first side to the second side for facilitating the fixation of the electrodes on the carrier, said carrier being provided with receiving portions arranged to accommodate the electrodes.
2. (Currently amended) A system according to claim 1, ~~characterized in that~~ wherein the electronic device further comprises electronic means arranged to operate with the electrodes in order to enable said interaction, the electrodes and the electronic means being integrated into one unit arranged to be removably attached to the carrier.
3. (Previously presented) A system according to claim 1 wherein a material of the electrodes comprises conductive rubber.
4. (Previously presented) A system according to claim 1 wherein a material of the electrodes comprises conductive plastic.
5. (Previously presented) A system according to claim 1, wherein the electrodes are button-shaped, the receiving portions of the carrier are notches of suitable dimension.

6. (Previously presented) A system according to claim 1, wherein the carrier is integrated into clothing.
7. (Previously presented) A system according to claim 1, wherein the bioelectrical interaction comprises a monitoring of a vital sign by means of measuring an electrical signal on the individual's skin using the electrodes.
8. (Previously presented) A system according to claim 7, wherein the vital sign is a cardiac activity of the individual.
9. (Previously presented) A system according to claim 1, wherein a surface of the electrode is comprised of a first material and a remainder of the electrode is comprised of a second material.
10. (Previously presented) A system according to claim 9, wherein the first material is conductive rubber or conductive plastic.
11. (Previously presented) A system according to claim 9, wherein the second material is copper.
12. (Withdrawn) A wearable electrode-carrier configuration for enabling a biological interaction of an electrode mounted on a carrier with an individual when the electrode is brought into contact with the individual's skin, comprising:
 - a carrier;
 - at least one electrode suitably shaped to enable a fixation of the electrode on the carrier;
 - and
 - receiving portions arranged to accommodate the electrode;
 - wherein a portion of the electrode is disposed on at least one side surface of the carrierwhen the electrode is fixated to the carrier, the electrode portion projecting away from the surface of the carrier for facilitating a substantially non-planar surface of the electrode portion being brought into contact with the individual's skin.

13. (Withdrawn) The configuration according to claim 12, further comprising electronic means arranged to operate with the electrodes in order to enable said interaction, the electrodes and the electronic means being integrated into one unit arranged to be removably attached to the carrier.
14. (Withdrawn) The configuration according to claim 12, wherein a material of the electrodes comprises conductive rubber.
15. (Withdrawn) The configuration according to claim 12, wherein a material of the electrodes comprises conductive plastic.
16. (Withdrawn) The configuration according to claim 12, wherein the electrodes are button-shaped.
17. (Withdrawn) The configuration according to claim 12, wherein a surface of the electrode is rounded off for facilitating immobilization of the electrode with respect to the individual's skin.
18. (Withdrawn) The configuration according to claim 12, wherein a surface of the electrodes is comprised of a first material and a remainder of the electrode is comprised of a second material.
19. (Withdrawn) The configuration according to claim 12, wherein the first material is conductive rubber or conductive plastic.
20. (Withdrawn) The configuration according to claim 12, wherein the second material is copper.
21. (New) The system according to claim 1, wherein said receiving portions of the carrier are disposed between a first portion of the electrode that projects away from the first side and a second portion of the electrode that projects away from the second side.

22. (New) The system according to claim 1, wherein a portion of each electrode is disposed on at least one of the first and second sides of the carrier when the electrodes are fixated to the carrier, the electrode portion projecting away from the at least one of the first and second sides of the carrier for facilitating a substantially non-planar surface of the electrode portion being brought into contact with the individual's skin.

23. (New) The system according to claim 1, wherein the electrode protrudes away from the first and second sides of the carrier.

24. (New) An electrode-carrier configuration for enabling a biological interaction of an electrode mounted on a carrier with an individual when the electrode is brought into contact with the individual's skin, comprising:

a carrier having a first side and a second side; and

electrodes arranged to carry out said interaction;

wherein said electrodes are suitably shaped to enable a fixation of the electrodes on the carrier and at least a portion of each electrode extends through the carrier from the first side to the second side for facilitating the fixation of the electrodes on the carrier.

25. (New) The electrode-carrier configuration of claim 24, wherein the electrodes are part of an electronic device arranged to be mounted on the carrier.

26. (New) The electrode-carrier configuration of claim 25, wherein the device further comprises electronic means arranged to operate with the electrodes in order to enable said interaction, the electrodes and the electronic means being integrated into one unit arranged to be removably attached to the carrier.

27. (New) The electrode-carrier configuration of claim 24, wherein a material of the electrodes comprises conductive rubber.

Application No. 10/534,479

Amdt. Dated: March 31, 2009

Reply to Office Action Dated: January 21, 2009

28. (New) The electrode-carrier configuration of claim 24, wherein a material of the electrodes comprises conductive plastic.

29. (New) The electrode-carrier configuration of claim 24, wherein a surface of the electrode is comprised of a first material and a remainder of the electrode is comprised of a second material.